Iaromir Vodzianovskii

e-mail	vodzianovskii.iao@phystech.edu
Nationality	Russian
Date of birth	06.08.2000

Education

09/18 - 08/22 — **Moscow Institute of Physics and Technology, undergraduate student**

Department of Physical and Quantum Electronics, Bachelor of Science

Applied Mathematics and Physics

GPA : 7.26 / 10

Courses:

- Mathematics: Calculus, Linear algebra, Differential equations, Computational Mathematics
- General physics (lectures, seminars, lab work)
- Other: Non-organic chemistry, Vacuum electronics, Computer Science, English

Work experience

07/20- 01/21 — **Internship in MIPT Laboratory of neurocomputer systems**

Scanning doped (Si) single crystals of $PbTiO_3$ by PFM and AFM on Ntegra. The general task was to get topography of domain structure and determine the effect of impurities on it.

Supervisor: Anastasia Chouprik (Senior Researcher, PhD)

Additional training

04/21 — **Mathematics and Python for Data Analysis course on Coursera**

Mathematics and basic statistics, data visualization in python

10/19 — **MIPT deep learning course on Stepik**

Theory and practice of deep learning (neural networks)

Python 3 (pandas, sklearn, numpy, matplotlib)

Honors & Awards

01/21 — Winner of the Student Physics Research Competition at MIPT.

Topic: Study of lead titanate single crystals doped with silicon.

06/19 — Prize-winner of student science Arctic case competition. Arkhangelsk, Russia

Topic : Ice scanning by a drone with high frequency radar

03/18 — Prize-winner of the final stage of the « PHYSTECH» olympiad in physics

02/18 — Prize-winner of the regional stage of the All-Russian olympiad in physics

Qualifications & Skills

HARD SKILLS
- LAT_EX system
- MS office: Word, Excel, PowerPoint
- Html & css basics
- Python (pandas, numpy, matplotlib, sklearn, Django) applying for counting and approximation, experimental data processing. I created a package for comfortable plotting approximations, available on GitHub (https://github.com/yarvod/plot_yar)
- My GIT https://github.com/yarvod

SOFT SKILLS
- English level: Intermediate (currently improving)

Hobbies & Extra - curricular activities

HOBBIES
- Creating music and sound design in Logic Pro and Ableton
- Playing the guitar
- Mind games

EXTRA - CURRICULAR ACTIVITIES

Institute's events volunteering:

- Organisational assistance with 'Physics day' (Full-scale annual festival of scientific, recreational and sporting events)
- Organisation of the « PHYSTECH» 2020 olympiad in physics and mathematics.